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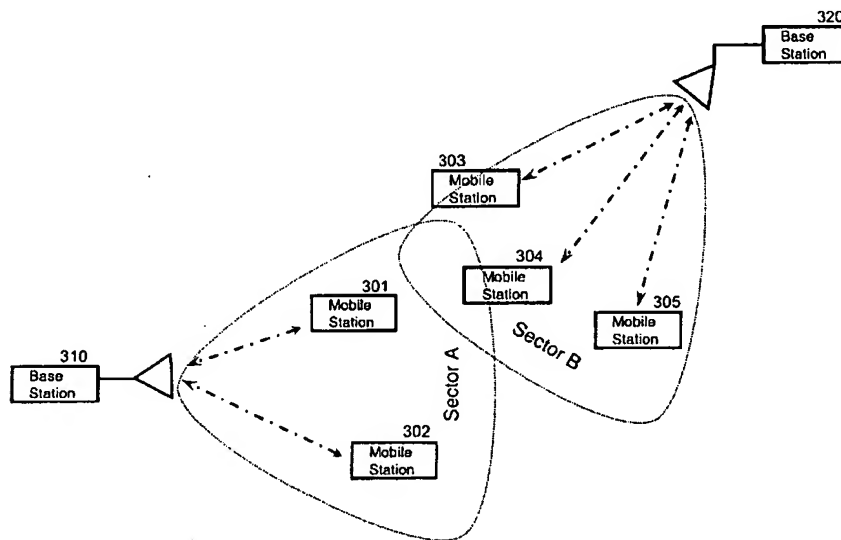
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(54) Title: METHODS AND APPARATUS FOR RANDOM ACCESS IN MULTI-CARRIER COMMUNICATION SYSTEMS



(57) Abstract: Methods and apparatus in a multi-carrier cellular wireless network (303, 304, 305, 320) with random access improve receiving reliability and reduce interference of uplink signals of a random access, while improving the detection performance of a base station receiver (310, 320) by employing specifically configured ranging signals.

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